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Environment, Health, & Safety  
Training Program

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**EHS 250 ~ Electrical Safety for Qualified Facilities Workers**

**Course Syllabus**

**Subject Category:** Electrical Safety  
**Course Length:** 2 hours  
**Delivery Mode:** By Instructor  
**Schedule:** Annually or by request  
**Location/Time:** Varies

**Course Prerequisite:** EHS0260  
**Medical Approval:** None

**Course Purpose:** This course is designed for employees and guests who are hired by facilities to construct and maintain the electrical distribution and all site buildings and structures. It is also available to any other qualified individuals and groups who can demonstrate a need acceptable to this laboratory.

**Course Objectives:**

- To define and explain the hazards associated with high voltage / high power Systems.
- To teach hazard analysis and mitigation techniques for high voltage electrical safety.
- To define the working rules and practices for high voltage electrical safety.
- To define the acceptable use and requirements of personal protection equipment (PPE).
- To introduce the National Fire Protection Association (NFPA) 70E (National Electrical Safety Code).

**Course Instructional Materials:**

- Overhead projector and PowerPoint presentation
- Excerpts from NFPA 70 and NFPA 70E
- IEEE standards
- 40 cal/cm<sup>2</sup> FA approved flash suit

**Instructors:** Tom Caronna

**Training Compliance Requirements:** 29CFR 1926; NFPA 70E; and Pub-3000, Chapter 8

**Course Handouts:** Student manual

**Participant Evaluation:** Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

**Written Exam:** Yes

**Practical Exam:** No

**Retraining/Recertification:** No

**WEB Resource:** Pub-3000, Chapter 8